BRUHATH BANGALORE MAHANAGARA PALIKE

CONSTRUCTION OF HOSPITAL BUILDING IN WARD NO.02

ABSTRACT OF ESTIMATE

Sl .N	DESCRIPTION OF WORK	Amount in Rs.
1	**Civil Works**	
a	Office Block	1672000.00
b	Renovation Works	10265000.00
2	Borewell	605000.00
3	Rain Water Harvesting	687000.00
4	PHE Works	4361000.00
5	Electrical Works	8767000.00
6	Laundry and Dry Clean Equipments	3289000.00
	TOTAL	**29646000.00**
7	DPR Charges	350000.00
8	Miscelleneous	4000.00
	GRAND TOTAL	**30000000.00**

for NANDISH ASSOCIATES

(K C NANDISH)
Assistant Engineer
Project Sub Division
Yelahanka Zone, BBMP

10/04/2017
Asst.Executive Engineer
Project Sub-Division
Yelahanka Zone, BBMP

Executive Engineer
Project Division
Yelahanka Zone, BBMP Bangalore
10/4/17.

Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Technical Sanction
Accorded For 300.00 Lakhs Rs.
Head of A/C P311
CER NO : 17A Dt: 13/04/17

TA CE (YNK),

BRUHAT BANGALORE MAHANAGARA PAILKE

CONSTRUCTION OF HOSPITAL BUILDING IN WARD NO.02

OFFICE BLOCK ABOVE KITCHEN

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling Brick / Tile work. B. In Cement mortar.								
	S.R.page 137 item 18.23								
	Parapet Walls - Hospital Side	1	21.30	0.23	0.30	1.47			
		1	15.25	0.23	0.30	1.05			
	Entry Side	1	5.89	0.23	0.30	0.41			
		1	0.85	0.23	0.30	0.06			
	Store / Pantry	1	2.92	0.23	0.30	0.20			
	Store	1	2.10	0.23	0.30	0.14			
	Ladies Toilet	1	2.90	0.23	0.30	0.20			
		1	3.17	0.23	0.30	0.22			
						3.75	**Cumt**	**263.52**	**988.79**
	Basic Rate:	244.00							
	Area Weightage @ 8%	19.52							
	Total	263.52							
2	Dismantling weather proof course and removing and conveying the debris to a distance upto 200m.								
	S.R.page 265 item 37.44								
	WPC (Above Terrace)								
		1	6.35	15.25	0.15	14.53			
		1	5.50	3.15	0.15	2.60			
		1	3.40	2.90	0.15	1.48			
						18.60	**Cumt**	**505.44**	**9402.89**
	Basic Rate:	468.00							
	Area Weightage @ 8%	37.44							
	Total	505.44							
3	Conveying the excavated debries and over burden earth etc to a lead 20 kms distances by using private vehicles this including the cost of loading and inloading charges etc								
	Quantity Vide Item No.1 & 3								
						22.36	cumt	**133.00**	**2973.29**
	Add: Bulking Charge @ 1.3%								
	Loading and unloading I.No.17.1			68.00					
	for Haulage(surface road Rs.2.5 T/Km)								
	(density of debris 1.30 t/cum)								
	for 20kms =20x2.5x1.30			65.00					
				133.00					
			Total	133.00					
4	Providing and constructing load bearing wall with concrete solid blocks having block ebsity not less than 1800 kg/m3 Having aq minimum average compressive strength of 5.00 N.mm2 confirming to IA 2185 (Part q) 2005 and constructed with CM 1:4 as [er IS 2572:2005 including cost of all materials labour charges, scaffolding. curing hire charges of machineries etc as per specifications **Solid concrete blocks of Size 400x200x200 mm**								
	S.R Page no 25, item no 5.27.1								
	Hospital Side	1	21.30		2.70	57.51			
	Hall - Anti Room	1	15.25		2.70	41.18			
	Office	1	5.95		2.70	16.07			
		1	0.85		2.70	2.30			

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
	Store	1	2.95		2.70	7.97			
		1	2.10		2.70	5.67			
	Ladies Toilet	1	2.90		2.70	7.83			
		1	3.00		2.70	8.10			
						146.61			
	Deductions Doors								
	Main door	1	1.50		2.10	3.15			
	Windows	8	1.50		1.20	14.40			
	Ventilator	5	0.90		0.60	2.70			
	Lintel	1	21.30		0.15	3.20			
		1	15.25		0.15	2.29			
		1	5.95		0.15	0.89			
		1	0.85		0.15	0.13			
		1	2.95		0.15	0.44			
		1	2.10		0.15	0.32			
		1	2.90		0.15	0.44			
		1	3.00		0.15	0.45			
						28.40			
						118.22	Sqmt	**1044.36**	**123459.02**
	Basic Rate:	937.00							
	Add: Lift Charges for First Floor	30.00							
	Total	967.00							
	Area Weightage @ 8%	77.36							
	Total	1044.36							
5	Providing and constructing non-load bearing wall with solid concrete blocks of size **400x100x200mm** having a block density not less than 1800kg/m3 having a minimumm average compressive strength of 4.00 N/mm2 confirming to I.S : 2185(Part 1):2005 and constructed withCM 1:4 as per 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc complete as per specifications.								
	S.R Page no 25, item no 5.28								
	Office	1	5.95		3.00	17.85			
	Anti Room	1	4.35		3.00	13.05			
		1	1.90		3.00	5.70			
	Hall	1	4.60		3.00	13.80			
		1	3.75		3.00	11.25			
		1	7.00		3.00	21.00			
	Store	1	2.10		3.00	6.30			
		1	1.75		3.00	5.25			
	Gents Rest Room	1	2.25		3.00	6.75			
		1	2.15		3.00	6.45			
		1	4.00		3.00	12.00			
	Ladies Rest Room	1	2.90		3.00	8.70			
						128.10		-	
	Deductions								
	Door	3	1.00		2.10	6.30			
	Door 1	5	0.75		2.10	7.88			
	Lintel	3	1.60		0.15	0.72			
	Door	5	1.35		0.15	1.01			
	Door 1					**15.91**			
						112.19	Sqmt	**805.68**	**90391.25**
	Basic Rate:	716.00							
	Add: Lift Charges for First Floor	30.00							
	Total	746.00							
	Area Weightage @ 8%	59.68							
	Total	805.68							
6	Providing and constructing load bearing wall with concrete solid blocks having block ebsity not less than 1800 kg/m3 Having aq minimum average compressive strength of 5.00 N.mm2 confirming to IA 2185 (Part q) 2005 and constructed with CM 1:4 as [er IS 2572:2005 including cost of all materials labour charges, scaffolding. curing hire charges of machineries etc as per specifications **Solid concrete blocks of Size 400x150x200 mm**								
	S.R Page no 25, item no 5.27.2								
	For Parapet Walls	1	21.30		1.00	21.30			
		1	15.35		1.00	15.35			
		1	5.95		1.00	5.95			

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
		1	0.85		1.00	0.85			
		1	3.00		1.00	3.00			
		1	2.10		1.00	2.10			
		1	2.90		1.00	2.90			
		1	3.10		1.00	3.10			
						54.55			
	Deduction Opening								
		1	1.00	1.00		1.00			
						1.00			
						53.55	Sqmt	**962.28**	**51530.09**
	Basic Rate:	831.00							
	Add: Lift Charges for First Floor	30.00							
	Add: Lift Charges for Terrace Floor	30.00							
	Total	891.00							
	Area Weightage @ 8%	71.28							
	Total	962.28							
7	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46 cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, **lintles**, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.								
	S.R Page no 14, item no 4.13								
	Long Wall (Lintels)	1	21.30	0.20	0.15	0.64			
	Long Wall	1	15.25	0.20	0.15	0.46			
	Short Wall	1	5.95	0.20	0.15	0.18			
	Short Wall	1	0.85	0.20	0.15	0.03			
	Short Wall	1	2.95	0.20	0.15	0.09			
	Short Wall	1	2.10	0.20	0.15	0.06			
	Short Wall	1	2.90	0.20	0.15	0.09			
	Short Wall	1	3.00	0.20	0.15	0.09			
	Short Wall	3	1.60	0.10	0.15	0.07			
	Short Wall	5	1.35	0.10	0.15	0.10			
						1.80	Cumt	**6704.64**	**12083.44**
	Basic Rate:	6158.00							
	Add: Lift Charges for First Floor	50.00							
	Total	6208.00							
	Area Weightage @ 8%	496.64							
	Total	6704.64							
8	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregtes @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain **chajja of 7.5 cms**, average thickness, upto ground floor level, including cost of all materials, labour,HOM of machinery, finishing, curing, complete as per specifications								
	S.R Page no 14, item no 4.19								
	Windows	8	1.65	0.60		7.92			
	Ventilator	5	1.15	0.60		3.45			
						11.37	Sqmt	**497.88**	**5660.90**
	Basic Rate:	456.00							
	Add: Lift Charges for First Floor	5.00							
	Total	461.00							
	Area Weightage @ 8%	36.88							
	Total	497.88							
9	Providing and removing centering, shuttering, strutting, propping etc., for **chajjas,** corbels etc., including edges including cost of all materials, labour complete as per specificaiton.								
	S.R Page no 16, item no 4.37								
	Windows	8	1.65	0.60		7.92			
	Ventilators	5	1.15	0.60		3.45			
						11.37	Sqmt	**297.00**	**3376.89**

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
	Basic Rate:	270.00							
	Add: Lift Charges for First Floor	5.00							
	Total	275.00							
	Area Weightage @ 8%	22.00							
	Total	297.00							
10	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of **beams**, beam haunchings, cantilever girders, bressumers and lintles exceeding 1 m in depth incluidng cost of all materials, labour complete as per specifications.								
	SR Page 16 iteam 4.34								
a	**RCC Roof Beams**								
		1	21.30		0.80	17.04			
		1	15.25		0.80	12.20			
		4	5.95		0.80	19.04			
		1	2.95		0.80	2.36			
		1	2.10		0.80	1.68			
		2	3.00		0.80	4.80			
		1	2.90		0.80	2.32			
	For Lintels	1	21.30		0.50	10.65			
		1	15.25		0.50	7.63			
		1	5.95		0.50	2.98			
		1	0.85		0.50	0.43			
		1	2.95		0.50	1.48			
		1	2.10		0.50	1.05			
		1	2.90		0.50	1.45			
		1	3.00		0.50	1.50			
		3	1.60		0.40	1.92			
		5	1.35		0.40	2.70			
						91.21	Sqmt	**281.88**	**25710.27**
	Basic Rate:	256.00							
	Add: Lift Charges for First Floor	5.00							
	Total	261.00							
	Area Weightage @ 8%	20.88							
	Total	281.88							
11	Providing and removing cenering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications								
	S.R.page 15 Item No. 4.18								
	RCC Roof Slab								
	Office	1	3.95	4.35		17.18			
	Anti Room	1	1.90	2.75		5.23			
	Toilet	1	1.90	1.50		2.85			
		1	5.95	2.20		13.09			
	Hall	1	4.50	8.00		36.00			
	Pantry	1	5.95	1.20		7.14			
	Corridor	1	1.35	8.20		11.07			
	Store	1	1.90	1.75		3.33			
	Gents Rest Room	1	2.05	1.80		3.69			
	WC	1	2.05	1.00		2.05			
	Ladies Rest Room	1	2.90	1.50		4.35			
	Passage	1	0.75	3.00		2.25			
						108.22	Sqmt	**338.04**	**36583.53**
	Basic Rate:	313.00							
	Area Weightage @ 8%	25.04							
	Total	338.04							
12	Providing and laying in Mat for RCC roof at below the steel for avoiding concrete cement slurry as per the requirement of Engineer incharge.(Approved Data Rates)								
	RCC Roof Slab								
	Office	1	3.95	4.35		17.18			
	Anti Room	1	1.90	2.75		5.23			
	Toilet	1	1.90	1.50		2.85			
		1	5.95	2.20		13.09			

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
	Hall	1	4.50	8.00		36.00			
	Pantry	1	5.95	1.20		7.14			
	Corridor	1	1.35	8.20		11.07			
	Store	1	1.90	1.75		3.33			
	Gents Rest Room	1	2.05	1.80		3.69			
	WC	1	2.05	1.00		2.05			
	Ladies Rest Room	1	2.90	1.50		4.35			
	Passage	1	0.75	3.00		2.25			
						108.22	Sqmt	**65.00**	**7034.46**
13	Providing **TMT Steel Reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.**TMT Bars Fe 500**								
	Lift charges for steel of all diameters for additional floors over ground floor per floor height of 3.5 m. or part thereof cost of labour, complete as per specifications.								
	S.R.page 17 item 4.46.2 & 4.47								
a	For Slab					18.60	cumt		
	1.00%					0.16			
	7850 kg/cmt					1255.04	kgs		
						1.26	MT		
b	For Lintels					1.80	cumt		
	0.015					0.01			
	7850 kg/cmt					61.29	kgs		
						0.06	MT		
c	chajja					11.37	Sqmt		
						0.32			
	at 1%					0.00			
	@ 7850 kg/cmt					**25.27**	kg		
						0.03	MT		
d	For Beam					3.86	Cumt		
	2.0%					0.08			
	7850 kg/cmt					606.02	kgs		
						0.61	MT		
						1.95	MT	**61043.76**	**118890.04**
	Basic Rate:	56050.00							
	Add: Lift Charges for First Floor	472.00							
	Total	56522.00						-	
	Area Weightage @ 8%	4521.76							
	Total	61043.76							
14	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregares of ready mixed concrete for RCC works laid in 15 cms thick layers and well compated including vibrating, curing,etc., with all lead and lifts etc complete(excluisive of cost of steel and fabrication charges) Ready Mixed Cement Concrete for Beams, Staircase and Roof with M-25								
	S.R.page 18 item 4.49/4.49.2								
a	**RCC Roof Beams**								
	Hospital Side	1	21.30.	0.20	0.30	1.28			
	Hall / Anti Room	1	5.25	0.20	0.30	0.32			
		4	5.95	0.20	0.30	1.43			
	Store / Pantry	1	2.95	0.20	0.30	0.18			
	Store	1	2.10	0.20	0.30	0.13			
	Ladies Rest Room	2	3.00	0.20	0.30	0.36			
		1	2.90	0.20	0.30	0.17			
						3.86			
b	**RCC Roof Slab**								
		1	6.35	15.25	0.15	14.53			
		1	5.50	3.15	0.15	2.60			
		1	3.40	2.90	0.15	1.48			

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
						18.60			
						22.46	Cumt	6550.20	147126.50
	Basic Rate:	6065.00							
	Area Weightage @ 8%	485.20							
	Total	6550.20							
15	Providing **Honne wood frames** of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications								
	S.R.page 51 Item No.9.11								
	Main door	2	0.10	0.13	2.10	0.05			
		2	0.10	0.13	1.65	0.04			
	Door	6	0.10	0.13	2.10	0.16			
		6	0.10	0.13	1.15	0.09			
	Door 1	10	0.10	0.13	2.10	0.26			
		10	0.10	0.13	0.90	0.11			
						0.71	Cum	111083.40	79146.92
	Basic Rate:	102855.00							
	Area Weightage @ 8%	8228.40							
	Total	111083.40							
16	Providing and fixing in position fully panelled **Honne wood shutters** for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures)								
	S.R.page 51 item 9.15								
	Main door	1	1.30	2.00		2.60			
	Door	3	0.80	2.00		4.80			
	Door 1	5	0.65	2.00		6.50			
						13.90	Sqmt	5017.68	69745.75
	Basic Rate:	4643.00							
	Add: Lift Charges for First Floor	3.00							
	Total	4646.00							
	Area Weightage @ 8%	371.68							
	Total	5017.68							
17	**Fixing of door frame** in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.								
	S.R.page 57 Item,.No.9.80								
		9				9			
						9	Nos	1141.56	10274.04
	Basic Rate:	1054.00							
	Add: Lift Charges for First Floor	3.00							
	Total	1057.00							
	Area Weightage @ 8%	84.56							
	Total	1141.56							
18	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.								
	S.R.page No.32 Item 7.9								
	Windows	8	1.50		1.20	14.40			
	Ventilators	5	0.90		0.60	2.70			
						17.10			
	17.10Sqmt x 21 Kgs Per sqmt =359.10 Kgs					359.10	Kgs	89.64	32189.72
	Basic Rate:	78.00							
	Add: Lift Charges for First Floor	5.00							
	Total	83.00							

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
	Area Weightage @ 8%	6.64							
	Total	89.64							
19	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using threetrack window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933kg/m.shutter frame section comprising top and bottom section of size40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutterinterlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved qualityof fixtures such as aluminium handles tower bolts etc.; providing andfixing 5.5mm. thick plain glass for shutters fitted with rubber beading allaluminium sections including cutting to required length, joints mitredsubdividing the frame tenonned and rivetted, in the assembled frame,stiffened with end clips for corners, angles etc., and fixed to the walls,lintels, floor beams/cills as the case may be, with necessary steelscrews, raul plugs or teak wood gatties including cutting masonry orconcrete and making good the original surface using cement mortar.(using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder o fapproved quality.)								
	S.R.page 33 item 7.11.2								
	Windows	8	1.50		1.20	14.40			
	Ventilators	5	0.90		0.60	2.70			
						17.10	**Sqmt**	**4520.88**	**77307.05**
	Basic Rate:	4181.00							
	Add: Lift Charges for First Floor	5.00							
	Total	4186.00							
	Area Weightage @ 8%	334.88							
	Total	4520.88							
20	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to **ceiling** including rounding off corners wherever required smooth rendering,, Providing and removing scaffolding, including cost of materials, labour, lead, lift, curing complete as per specifications and direction of the Engineer in charge Providing Lime rendering for Plastering to Ceiling including cost of materials, labour, curing complete as per specification.								
	S.R Page no 114, item no 15.22/15.33								
	Office	1	3.95	4.35		17.18			
	Anti Room	1	1.90	2.75		5.23			
	Toilet	1	1.90	1.50		2.85			
		1	5.95	2.20		13.09			
	Hall	1	4.50	8.00		36.00			
	Pantry	1	5.95	1.20		7.14			
	Corridor	1	1.35	8.20		11.07			
	Store	1	1.90	1.75		3.33			
	Gents Rest Room	1	2.05	1.80		3.69			
	WC	1	2.05	1.00		2.05			
	Ladies Rest Room	1	2.90	1.50		4.35			
	Passage	1	0.75	3.00		2.25			
						108.22	Sqmt	**224.64**	**24311.10**
	Basic Rate:	203.00							
	Add: Lift Charges for First Floor	5.00							
	Total	208.00							
	Area Weightage @ 8%	16.64							
	Total	224.64							
21	Providing 18mm thick cement plaster in single coat with **cement mortar 1:4,** to brick masonry including rounding off corners wherver required smooth rendering, : Providing **lime rendering** for plastering to wall and ceiling and Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications, direction of the Engineer in charge.for **Inside Plastering**								
	S.R.page114 item No.15.16 and S.R.page 115 item 15.33								
	Office	2	3.95		3.00	23.70			
		2	4.35		3.00	26.10			
	Anti Room	2	1.90		3.00	11.40			
		2	2.75		3.00	16.50			
	Toilet	2	1.90		3.00	11.40			
		2	1.50		3.00	9.00			

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
	Computers	1	5.95		3.00	17.85			
		1	4.60		3.00	13.80			
		1	2.20		3.00	6.60			
	Hall	2	4.50		3.00	27.00			
		2	8.00		3.00	48.00			
	Corridor	1	8.20		3.00	24.60			
		1	11.60		3.00	34.80			
	Pantry	1	3.65		3.00	10.95			
		1	3.30		3.00	9.90			
		1	2.15		3.00	6.45			
	Store	2	1.90		3.00	11.40			
		2	1.79		3.00	10.71			
	Gents Rest Room	2	2.05		3.00	12.30			
		2	1.80		3.00	10.80			
	WC	2	2.05		3.00	12.30			
		2	1.00		3.00	6.00			
	Ladies Rest Room	2	2.90		3.00	17.40			
		2	1.50		3.00	9.00			
	Passage	2	3.00		3.00	18.00			
		1	0.75		3.00	2.25			
						408.21			
	Deductions								
	MD	1	1.50		2.10	3.15			
	D	3	1.00		2.10	6.30			
	D1	5	0.75		2.10	7.88			
	W	8	1.50		1.20	14.40			
	V	5	0.90		0.60	2.70			
						34.43			
						373.79	**Sqmt**	**271.08**	**101325.64**
	Basic Rate:	246.00							
	Add: Lift Charges for First Floor	5.00							
	Total	251.00							
	Area Weightage @ 8%	20.08							
	Total	271.08							
22	Providing 18mm thick cement plaster in single coat with **cement mortar 1:4,** to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for **Outside Plastering**								
	S.R Page no 113, item no 15.16								
	First Floor								
	Hospital Side	1	21.30		3.15	67.10			
		1	6.35		3.15	20.00			
		1	15.25		3.15	48.04			
		1	4.00		3.15	12.60			
		1	5.00		3.15	15.75			
		1	3.40		3.15	10.71			
	For Parapet Walls	1	21.30		2.15	45.80			
		1	15.35		2.15	33.00			
		1	5.95		2.15	12.79			
		1	0.85		2.15	1.83			
		1	3.00		2.15	6.45			
		1	2.10		2.15	4.52			
		1	2.90		2.15	6.24			
		1	3.10		2.15	6.67			
						291.48	Sqmt	**249.48**	**72717.81**
	Basic Rate:	221.00							
	Add: Scaffolding Charges for First Floor	10.00							
	Total	231.00							
	Area Weightage @ 8%	18.48							
	Total	249.48							

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
23	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	S.R Page no 12, item no 4.5								
	Screed Concrete								
		1	6.05	14.95	0.10	9.04			
		1	5.50	3.15	0.10	1.73			
		1	3.10	2.90	0.10	0.90			
						11.68	Cumt	**6017.76**	**70264.87**
	Basic Rate:	5542.00							
	Add: Lift Charges for First Floor	30.00							
	Total	5572.00							
	Area Weightage @ 8%	445.76							
	Total	6017.76							
24	Extra for use of water proofing compound in Cement concrete of mix 1:1:5:3,at one kg of compound per bag of cement								
	S.R Page no 14, item no 4.25								
		1	6.05	14.95		90.45			
		1	5.50	3.15		17.33			
		1	3.10	2.90		8.99			
						116.76	**Cumt**	**204.12**	**23833.56**
	Basic Rate:	189.00							
	Area Weightage @ 8%	15.12							
	Total	204.12							
25	Providing and fixing **Vitrified glazed tiles**. of approved make, quality and colour of size 600x600x10mm thick fixed on bed of 12 thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc., complete as per specifications.								
	S.R Page no 107, item no 14.45								
	Office	1	3.95	4.35		17.18			
	Anti Room	1	1.90	2.75		5.23			
		1	5.95	2.20		13.09			
	Hall	1	4.50	8.00		36.00			
	Pantry	1	5.10	1.20		6.12			
	Store	1	1.90	1.75		3.33			
	Corridor	1	1.35	8.20		11.07			
	Passage	1	0.75	3.00		2.25			
	Skirting	1	113.70		0.10	11.37			
						105.63	Sqmt	**1202.58**	**127031.53**
	Basic Rate:	1112.00							
	Add: Lift Charges for First Floor	1.50							
	Total	1113.50							
	Area Weightage @ 8%	89.08							
	Total	1202.58							
26	Providing **Ceramic tiles/Antiskid tiles** of size 30x30cms of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications.								
	S.R.page 106 item 14.36.2								
	Anti Room Toilet	1	1.90	1.50		2.85			
	Gents Rest Room	1	2.05	1.80		3.69			
	WC	1	2.05	1.00		2.05			
	Ladies Rest Room	1	2.90	1.50		4.35			
						12.94	**Sqmt**	**1271.70**	**16455.80**
	Basic Rate:	1176.00							
	Add: Lift Charges for First Floor	1.50							
	Total	1177.50							
	Area Weightage @ 8%	94.20							
	Total	1271.70							

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
27	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.**Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms**								
	S.R.page 106 item 14.41.2								
	Toilet	2	1.90		2.10	7.98			
		2	1.50		2.10	6.30			
	Gents Rest Room								
	Urinals	1	1.60		1.50	2.40			
	WC	2	2.05		2.10	8.61			
		2	1.00		2.10	4.20			
	Ladies Rest Room	2	2.90		2.10	12.18			
		2	1.50		2.10	6.30			
						47.97			
	Deductions								
	Door 1	3	0.75		2.10	4.73			
						4.73			
						43.25	Sqmt	**1604.34**	**69379.68**
	Basic Rate:	1484.00							
	Add: Lift Charges for First Floor	1.50							
	Total	1485.50							
	Area Weightage @ 8%	118.84							
	Total	1604.34							
28	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers including cost of all materials cost oif labour and scaffolding etc complete as per the specifications (For Ceiling and Internal plastering)								
	S.R.page 126 Item 15.106								
	Quantity vide item no.					**482.01**	Sqmt	**60.48**	**29151.81**
	Basic Rate:	56.00							
	Area Weightage @ 8%	4.48							
	Total	60.48							
29	Providing and applying painting in two coats with plastic Emulsion paint of approved brand on wall **ceilling** surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge. (with Primer)								
	S.R.page 117 item15.51.2 & 15.51.3								
	Ceiling Plastering quantity(Quantity vide item no.20)					**108.22**	Sqmt	**101.52**	**10986.75**
	Basic Rate:	94.00							
	Area Weightage @ 8%	7.52							
	Total	101.52							
30	Providing and applying painting in two coats with plastic Emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge. (with Primer)								
	S.R.page 117 item15.51.2								
	Internal Walls(Quantity vide item no.21)					373.79			
						373.79	Sqmt	**97.20**	**36331.90**
	Basic Rate:	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
31	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.								
	S.R.page125 Item 15.104								
	External walls (Quantity vide item no 22.)					291.48			
						291.48	Sqmt	**166.32**	**48478.54**
	Basic Rate:	151.00							
	Add: Scaffolding Charges for First Floor	3.00							
	Total	154.00							
	Area Weightage @ 8%	12.32							
	Total	166.32							
32	Providing and applying enamel metal paint two coats(excluding priming coat) over new steel or other metal surfacebrushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as perspecifications.								
	S.R.page 121 item 15.74								
	Windows	8	1.50	1.20		14.40			
	Ventilators	4	0.90	0.60		2.16			
						16.56	Sqmt	**88.56**	**1466.55**
	Basic Rate:	82.00							
	Area Weightage @ 8%	6.56							
	Total	88.56							
33	Applying priming coat over new wood surface and/ or wood based surface, after brushing with ready mixed enamel priming paint including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting ready mixed paint including cost of materials, labour, complete as perspecifications.								
	S.R.page 119 item 15.58								
	Main door	1	1.50	2.10		3.15			
	Door	3	1.00	2.10		6.30			
	Door 1	5	0.75	2.10		7.88			
						17.33			
		17.33	2.20			**38.12**	Sqmt	**33.48**	**1276.09**
	Basic Rate:	31.00							
	Area Weightage @ 8%	2.48							
	Total	33.48							
34	Providing and applying painting two coat(excluding priming coat)on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface oil, grease, dirt and other foreign matter, sand papering including cost of materials, labour, complete as perspecifications.								
	S.R.page 119 item 15.60.1								
	Main door	1	1.50	2.10		3.15			
	Door	3	1.00	2.10		6.30			
	Door 1	5	0.75	2.10		7.88			
						17.33			
		17.33	2.20			**38.12**	Sqmt	**90.72**	**3457.79**
	Basic Rate:	84.00							
	Area Weightage @ 8%	6.72							
	Total	90.72							
35	Providing and fixing of Door locking arrangements(page XIV,item no 397)								
			9			9	Each	**650.00**	**5850.00**
36	Providing and fixing of Handles powder coated 150mm(page XIV,item No,393)								
			27			27	Each	**60.00**	**1620.00**
37	Providing and fixing of Hinges 5" heavy duty(Page No.XIV,item No395)								
			27			27	Each	**37.00**	**999.00**

S.N	DESCRIPTION OF WORK	N	L	B	D	QTY	UNIT	RATE	AMOUNT
38	Providing and fixing of Hold fasts MS (Page No XIV, item No 396)								
			36			36	Each	38.00	1368.00
39	Providing and fixing of Tower bolt 300mm long(page No,XIV, item No 412)								
			18			18	Each	120.00	2160.00
40	Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel pplications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, traightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification								
	S.R.page 40 item 7.29								
	Ground Floor to First Floor					500.00			
	First Floor to Terrace					500.00			
						1000.00	Kgs	118.80	118800.00
	Basic Rate:	110.00							
	Area Weightage @ 8%	8.80							
	Total	118.80					TOTAL		1671141.28
41	Miscelleneous								858.72
							Grand Total		1672000.00

(RUPEES SIXTEEN LAKHS NINETY THOUSAND ONLY)

CERTIFICATES

1) The work spot has been inspected and found to be necessary
2) This estimate is prepared as per KPWD SR. of 2016-2017 & Approved Rates
3) The provisions were made in this estimate are necessary and adequate.
4) This works come under B.B.M.P. limits.
5) The work is not Spilt Up.

Assistant Engineer
Project Sub Division
Yelahanka Zone, BBMP

Assistant Executive Engineer 10/04/17
Project Sub Division
Yelahanka Zone, BBMP

Executive Engineer 10/4
Project division
Yelahanka Zone, BBMP Bangalore